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HIOSSEN headquarter in USA

OSSTEM 2019 TOKYO - JAPAN WORLD MEETING



OSSTEM[®]
IMPLANT

History

	<div><div>6</div><div>Osstem Implant R&D Center was selected as ATC (Excellent technical research center)</div></div> <div><div>7</div><div>Selected as 2011 World Champ corporation (KOTRA)</div></div> <div><div>12</div><div>Selected as world-class goods (Ministry of trade, industry and energy)</div></div>	<div><div>2</div><div>Stock-listed in KOSDAQ and began stock trade</div></div> <div><div>11</div><div>Received '10 Million Dollar Top Export Award' on Trade day</div></div>	
2012	2011	2008	2007
<div><div>7</div><div>Established Medical Equipment R&D Center</div></div>		<div><div>1</div><div>Established Osseous Science Research Center</div></div> <div><div>7</div><div>Received general grand prize for Korean health industry (Ministry of Health and Welfare)</div></div> <div><div>12</div><div>Selected as the managing organization of the national enterprise of strategic technology development</div></div>	

	4 First Osstem Meeting		1 Established the Osstem Implant R&D Center 8 Approved by the FDA in the US
2006	2004	2003	2002
3 Changed the company name as Osstem Implant 9 Established subsidiary in Philadelphia, U.S and began construction of Manufacturing Center 12 Established 1st stage of overseas subsidiary offices (12 countries)		7 Established Information System R&D Center	

	<p>6 Launch Hanaro(integrated dental management software)</p> <p>10 Took over Soo-min General Dental Goods (First implant manufacturer in Korea)</p>	
<p>2001</p> <p>1 Acquired CE-0434 certificate</p> <p>3 Established the AIC (Advanced dental Implant research & education Center)</p>	<p>2000</p>	<p>1997</p> <p>1 Established Osstem (D&D system)</p> <p>12 Launch Doobunae (insurance claim software)</p>

	<p>2 Established New Zealand subsidiary (Operates 27 foreign subsidiaries in 25 countries) Received presidential citation on job creation from government</p>	<p>3 Established Osstem Pharma</p> <p>12 Received '50 Million Dollar Top Export Award' on Trade day</p>	
2018	2017	2016	2015
<p>1 Received 12th grand prize for customer satisfaction management Established Dental Clinic Interior Design R&D Center</p> <p>12 Received '100 Million Dollar Top Export Award' on Trade day</p>		<p>1 Established Vussen</p> <p>3 Took over Cardiotec</p> <p>8 Took over Hubit</p> <p>12 Unit Chair K3 is selected as world-class good for next generation (Ministry of trade, industry and energy)</p>	

Greetings



Dear Esteemed Dentists,

I would like to extend my sincere gratitude for taking time out of your busy schedules to attend 'OSSTEM World Meeting 2019 Tokyo'.

The dental industry is currently experiencing an unstoppable wave. We call this wave Digital Dentistry. This wave has raised the standards of reliability and predictability through the popularization of CB/CT, pragmatic use of 3D Scanners, enhancements in CAD/CAM and 3D Printing, as well as the development of various dental materials. At IDS 2017, global leaders in our industry competed to introduce the best Digital Products, and IDS 2019 has shown even newer Digital Technologies this year.

Since our inception, Osstem Implant has been working tirelessly to accommodate the demands of the digital dentistry environment, from developing practice management software “Doobunae” and “Hanaro”, as well as the orthodontic diagnosis program “V-Ceph”.

Since 2014, we have been investing heavily into Research and Development of digital equipment, materials, and software to offer a Full Digital Dentistry Line Up. In the Software field, we have already launched the very popular “OneGuide” for digital guided implant surgery and “Magic Line” for digital orthodontics. Moreover, Digital Dentures are coming soon. In the Hardware field, we have launched the CBCT “T1”, as well as the milling machine “One-Mill4x”, while our 3D Printer “Onejet” and Labside zirconia milling machine “OneMill5x” are also approaching launch.

Osstem Implant’s Digital Dentistry Solution is named after “One Digital Solution”, and to that end our “OneClick” software aims to provide a solution that integrates all equipment and software in dentistry. From patient data acquisition through CBCT and Intraoral Scanners, Designing implants, abutments, crowns, and orthodontic appliances through OneGuide, OnePros, and OneOrtho, to fabricating with OneMill and OnePrinter, we are preparing our Full Digital Dentistry Line Up.

At this year’s Osstem World Meeting in Tokyo, under the slogan “Digital Leader, Osstem Implant”, we have arranged various clinical lectures from effective methods of application, to digital solutions applicable for each clinical case, in order to keep pace with this great trend of digitalization.

We have invited some of the most renowned speakers from all over the world, who are active as Course Directors, to provide 6 clinical lectures and 2 live surgeries. The live surgeries, one in the morning and one in the afternoon, will particularly demonstrate the practical applications of digital dentistry by use of a digital guide.

Furthermore, the event will provide simultaneous interpretation in 4 languages including English, Chinese, Japanese, and Russian for all lectures and live surgeries, and will be broadcast to the world via Denple. We hope it will be an experience that transcends time and space.

There are over 30 posters exhibiting various clinical cases and research findings on display, as well as hands-on to experience popular products and digital dentistry to re-live all the lectures at once. In addition to academic lectures, we have prepared an exhibit booth to learn more about Osstem’s digital dentistry technology and various cultural events, in hopes that you will find a festive event filled with learning, sightseeing, and fun. May this event be an informative and memorable academic festival for all in attendance.

Once again, I would like to express my heartfelt thanks to the dentists who are here from all over the world, the moderator, and all the presenters who prepared their exceptional lectures for this Osstem World Meeting 2019 in Tokyo. We look forward to your continued patronage, as Osstem Implant continues its efforts and growth to lead the future of the global dental industry. I wish the best of luck and infinite blessings to everyone here today.

Thank you.



May, 2019

Chairman of OSSTEM IMPLANT

Kyoo-ok, Choi (DDS, Ph.D)

Program

DIGITAL LEADER OSSTEM IMPLANT

SESSION	TIME	SUBJECT	CONTENTS	SPEAKERS	MODERATOR
OPENING	09:30 ~ 09:40	OPENING			
SESSION 1	09:40 ~ 10:10	OneCAS-Guided Implant Surgery for Transcrestal Sinus Lifting	Lecture 1	Prof. Chang Joo Park (Korea)	Dr. Li Yun sheng (China)
	10:10 ~ 10:40	Moving Towards the Immediate ² Approach for Single Tooth Implants	Lecture 2	Dr. Patrick Wu (Hong Kong China)	
	10:40 ~ 10:50	Q&A			
BREAK	10:50 ~ 11:10	BREAK			
SESSION 2	11:10 ~ 12:20	 Implant Placement and Sinusfloor Elevation Using OSSTEM Guided Surgery System (One-CAS™)	Live surgery 1	Dr. Akimaro Torii (Japan)	Dr. Kyoung Won Kim (Korea)
LUNCH	12:20 ~ 13:20	LUNCH			
OSSTEM GREETING	13:20 ~ 13:50	Chairman of OSSTEM IMPLANT			
SESSION 3	13:50 ~ 14:20	Digital Workflow for Implant Dentistry	Lecture 3	Dr. Soo Young Lee (Korea)	Prof. In Ho Cho (Korea)
	14:20 ~ 14:50	Complete Arch Implant Placement and Immediate Loading Using Full Digital Workflow (Osstem TS III, Trios, PIC Camera)	Lecture 4	Dr. Han Choi (New Zealand)	
	14:50 ~ 15:00	Q&A			
BREAK	15:00 ~ 15:20	BREAK			
SESSION 4	15:20 ~ 15:50	Management of Soft and Hard Tissue for Implants	Lecture 5	Dr. Fulvio Gatti (Italy)	Dr. Marco Tallarico (Italy)
	15:50 ~ 16:20	Enhancing Full Arch Tilted Implant Therapy with OneGuide Surgery	Lecture 6	Dr. Marcus Lastimado (U.S.A)	
	16:20 ~ 16:30	Q&A			
	16:30 ~ 17:40	 Guided Implant Surgery for Severely Atrophied Edentulous Mandible	Live surgery 2	Dr. Takeo Kanayama (Japan)	
ENDING	17:40 ~ 17:50	ENDING			

Index

8 Speakers

9 Moderators

10 Contents

- 10 Prof. Chang Joo Park
- 11 Dr. Patrick Wu
- 12 Dr. Akimaro Torii
- 14 Dr. Soo Young Lee
- 15 Dr. Han Choi
- 16 Dr. Fulvio Gatti
- 17 Dr. Marcus Lastimado
- 18 Dr. Takeo Kanayama

Speakers



Prof. Chang Joo Park (Korea)

Lecture 1

OneCAS-Guided Implant Surgery for Transcrestal Sinus Lifting

- DDS, PhD, Seoul National University School of Dentistry
- Training, Department of Oral & Maxillofacial Surgery, Seoul National University Dental Hospital
- Fellowship, Department of Dental Anesthesiology, Seoul National University Dental Hospital
- Visiting Scholar, Department of Periodontics, University of Pennsylvania School of Dental Medicine, PA
- Associate Professor, Department of Oral & Maxillofacial Surgery, Hanyang University, Seoul, Republic of Korea



Dr. Patrick Wu (Hong Kong China)

Lecture 2

Moving Towards the Immediate² Approach for Single Tooth Implants

- Bachelor of Dental Surgery (HK) (1991)
- Master of Dental Surgery (HK) (1995)
- Master of Science (Implant Dentistry) (HK) (2008)
- Membership in Restorative Dentistry of the Royal College of Surgeons of Edinburgh (2003)
- Membership in General Dental Surgery of the Royal College of Surgeons of Edinburgh (1998)
- Membership Prosthodontics of the Royal Australasian College of Dental Surgeons (2012)
- Fellow of the Royal Australasian College of Dental Surgeons (1996)
- Fellow of the College of Dental Surgeons of Hong Kong (Prosthodontics) (2003)
- Fellow of the Hong Kong Academy of Medicine (Dental Surgery) (2003)
- Honorary Assistant Professor, Faculty of Dentistry, University of Hong Kong (1994-2013)
- Honorary Consultant Prosthodontist in the United Christian Hospital, Hospital Authority, Hong Kong



Dr. Akimaro Torii (Japan)

Live Surgery 1 LIVE ▶

Implant Placement and Sinusfloor Elevation Using OSSTEM Guided Surgery System (One-CAS™)

- Kanagawa Dental University
- Dept. of oral and maxillofacial surgery Fujieda Municipal General Hospital
- Assistant director of IP solution Sankyo dental
- Director of OMF surgitech Sankyo dental Adviser of OSSTEM Japan AIC



Dr. Soo Young Lee (Korea)

Lecture 3

Digital Workflow for Implant Dentistry

- Seoul National University DDS, MS, Ph.D
- Residency at Prosthetic dept. SNU hospital
- Board certified Prosthodontist
- Visiting researcher at ADA in USA
- Clinical professor at prosthetic dept. Seoul National Univ.
- Dentsply Sirona certified trainer for Cerec
- Vita certified international speaker
- Osstem implant clinical advisor and course director



Dr. Han Choi (New Zealand)

Lecture 4

Complete Arch Implant Placement and Immediate Loading Using Full Digital Workflow (Osstem TS III, Trios, PIC Camera)

- Director & Specialist Oral & Maxillofacial Surgeon at NorthShore Oral and Maxillofacial Surgeons.
- University of Otago, BDS (with credit)
- University of Otago, MBChB
- University of Otago, MDS (Oral & Maxillofacial Surgery, with distinction)
- Registered Oral & Maxillofacial Surgeon, Dental Council of New Zealand



Dr. Fulvio Gatti (Italy)

Lecture 5

Management of Soft and Hard Tissue for Implant

- DDS, M.Sc. in Oral Surgery
- Lecturer for the Post-Graduate Course in Oral Surgery of the University of Milan and the Course of Implantology for Complex and Advanced Cases.
- Active member of the Italian Academy of Osseointegration (IAO).
- Active member and coordinator of the società Italiana di Parodontologia e Implantologia (SIDP)
- Tutor of the SIDP Annual Course in Periodontology and Implantology.
- Co-founder and Member of the Board of Directors of the Advanced Dental Implant, Research & Education Center, Italy.



Dr. Marcus Lastimado (U.S.A)

Lecture 6

Enhancing Full Arch Tilted Implant Therapy with OneGuide Surgery

- Doctorate of Dental Medicine from Nova Southeastern University, Florida, United States
- Master in the International Congress of Oral Implantologists
- Master in the Academy of General Dentistry (only 2.0% of United States Dentists)
- Master Certificate in Implant Regeneration (candidate)
- All-On-4 Clinical Residency with Dr. Palo Malo and his surgical team in Portugal
- 3-D Guided Surgical Program at the OMFS department at Georgia Health Sciences University



Dr. Takeo Kanayama (Japan)

Live Surgery 2 LIVE ▶

Guided Implant Surgery for Severely Atrophied Edentulous Mandible

- Supervisory dentist, Dental Team Japan, Fukuoka, Japan.
- DDS at Hokkaido University, Japan in 1997.
- PhD at Hokkaido University, Japan in 2001.

Moderators



Dr. Li Yun sheng (China)

- School of Stomatology, West China University of Medical Sciences, Chengdu, China; Degree: Master of Oral Maxillofacial Surgery
- School of Stomatology, Capital Medical University, Beijing, China; Degree: Doctor of Dental Surgery
- Director, Department of Stomatology, China Meitan General Hospital Beijing, China
- Committee Member, Society of Dental Implantology, BSAC (Beijing Stomatological Association, China)
- Postgraduate Supervisor, School of Stomatology, North China University of Science and Technology, Tangshan, Hebei, China
- Visiting Scholar, Department of Periodontics, School of Dental Medicine, University of Pennsylvania



Dr. Kyoung Won Kim (Korea)

- DDS, MSD, Ph.D School of Dentistry, Seoul National University, Korea
- Specialist of Oral & Maxillofacial Surgery
- Professor & Chairman (1994-2017) Dept. of Oral & Maxillofacial Surgery, Chungbuk National University, Korea
- Visiting Professor Dept. of Oral & Maxillofacial Surgery, University of Texas Health Science Center at Houston, Texas, USA
- Research Fellowship Dept. of Bioengineering, Rice University, Houston, Texas, USA
- Chief Education Officer Education & Research Institute, Osstem Implant Co.



Prof. In Ho Cho (Korea)

- Graduated from School of Dentistry, Seoul National University, Korea(1974)
- Professor, School of Dentistry, Dankook University, Korea (1984~)
- Visiting Researcher, Maxillofacial Clinic & Implant Center, UCLA, USA(1990-1991)
- Visiting Professor, Dept of Biomaterial & Handicapped Research, Gothenburg University, Sweden(1996-1997)
- President, Korean Academy of Prosthodontics(2003-2005)
- President, IADR Korean Division(2005-2006)



Dr. Marco Tallarico (Italy)

- DDS, M.Sc. in Oral Surgery
- Research Project Manager of Osstem AIC Italy
- Certified in Implant-Based Therapy (EAO 2013)
- Adjunct professor, Implantology and Prosthetic Aspects, Master of Science in Dentistry Program, Aldent University, Tirana, Albania
- Lecturer at the Surgical, micro-surgical and medical science department, University of Sassari, Italy

LECTURE 1

TIME - 09:40 ~ 10:10 | MODERATOR - Dr. Li Yun sheng (China)

Prof. Chang Joo Park (Korea)

- DDS, PhD, Seoul National University School of Dentistry
 - Training, Department of Oral & Maxillofacial Surgery, Seoul National University Dental Hospital
 - Fellowship, Department of Dental Anesthesiology, Seoul National University Dental Hospital
- Visiting Scholar, Department of Periodontics, University of Pennsylvania School of Dental Medicine, PA
 - Associate Professor, Department of Oral & Maxillofacial Surgery, Hanyang University, Seoul, Republic of Korea



OneCAS-Guided Implant Surgery for Transcrestal Sinus Lifting

A decade has passed since CAS KIT, which was specifically designed for transcrestal approach of sinus lifting surgery, was introduced in the implant market. As one of Osstem's best-selling kits, CAS KIT is equipped with its own perforation-free drills, hydraulic lifter for wide and safe elevation of sinus membrane and bone carrier / bone condenser for quick filling of grafting material.

Recently, Osstem has also introduced its own digitally guided implant surgery, OneGuide system. OneGuide system helps the implant clinicians place the implants simply and safely as virtually planned. OneCAS system incorporates these unique features of CAS KIT into OneGuide system, featured as

- **Safer** → drilling depth can be precisely controlled
- **more Accurate** → drilling position can be reproduced as preoperatively planned
- **more Predictable** → the volume of graft material can be digitally estimated
- **more Efficient** → the fit of the hydraulic lifter can be improved

In this lecture, this SAPE concept (**Safer**, **more Accurate**, **more Predictable** and **more Efficient**) of OneCAS system will be discussed in detail with review of cases.



LECTURE 2

TIME - 10:10 ~ 10:40 | MODERATOR - Dr. Li Yun sheng (China)

Dr. Patrick Wu (Hong Kong China) (Specialist in Prosthodontics)

- Bachelor of Dental Surgery (HK) (1991)
 - Master of Dental Surgery (HK) (1995)
 - Master of Science (Implant Dentistry) (HK) (2008)
 - Membership in Restorative Dentistry of the Royal College of Surgeons of Edinburgh (2003)
 - Membership in General Dental Surgery of the Royal College of Surgeons of Edinburgh (1998)
 - Membership Prosthodontics of the Royal Australasian College of Dental Surgeons (2012)
- Fellow of the Royal Australasian College of Dental Surgeons (1996)
 - Fellow of the College of Dental Surgeons of Hong Kong (Prosthodontics) (2003)
 - Fellow of the Hong Kong Academy of Medicine (Dental Surgery) (2003)
 - Honorary Assistant Professor, Faculty of Dentistry, University of Hong Kong (1994-2013)
 - Honorary Consultant Prosthodontist in the United Christian Hospital, Hospital Authority, Hong Kong

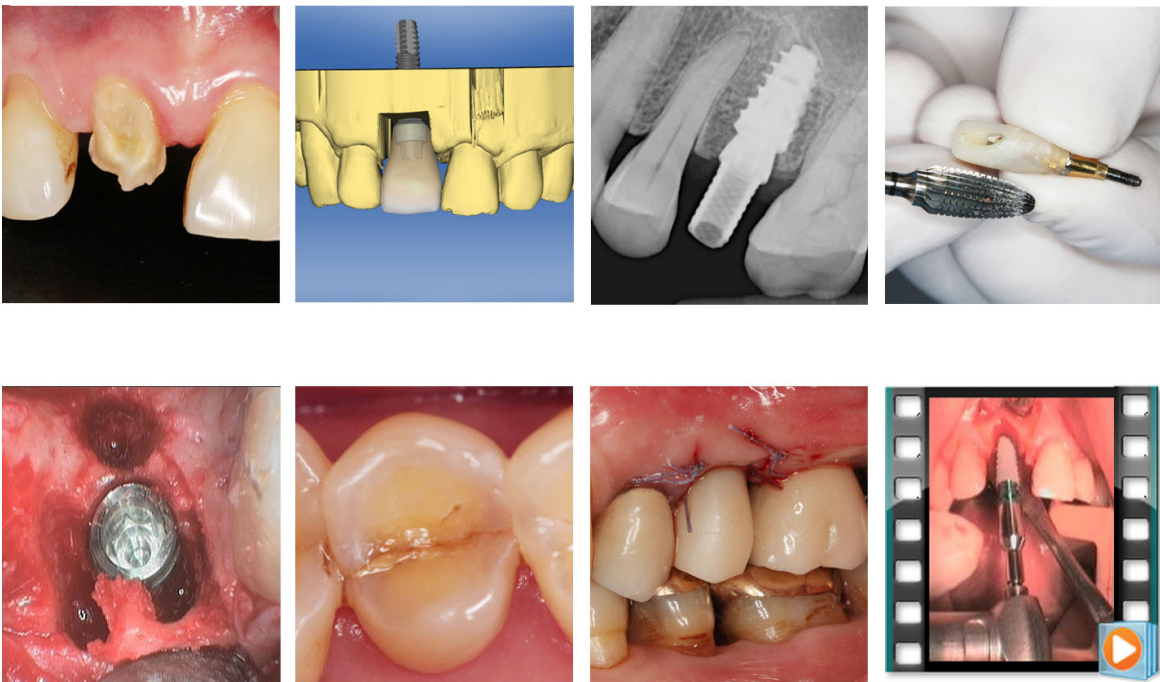


Moving Towards the Immediate² Approach for Single Tooth Implants

Replacing missing teeth and restoring dental functions have always been the mission of dental practitioners. Despite remarkable progress in implant treatment, reduction in treatment time together with maintaining reliability remains to be a quasi-achievable goal. While single implant performance is a well-trodden area supported by ample clinical evidence, the issue of whether treatment time can be shortened without affecting reliability is subject to further exploration.

Dr. Patrick Wu has accumulated sufficient clinical experience to support the idea that treatment time can be shortened while reliability can be maintained in selected situations. He would illustrate that Immediate Implant and Immediate Loading can be performed on the same day.

The conventional belief is that Immediate Implant and Immediate Loading may double the complexity of the treatment. Counterintuitively, the complexity level rises exponentially. Even the concept of Immediate Implant and Immediate Loading is a prescient option for the time being, Dr. Patrick Wu believes that it has the potential to be a mainstream option in the future.



LIVE SURGERY 1

LIVE

TIME - 11:10 ~ 12:20 | MODERATOR - Dr. Kyoung Won Kim (Korea)

Dr. Akimaro Torii (Japan)

· Kanagawa Dental University
· Dept. of oral and maxillofacial surgery
Fujieda Municipal General Hospital
· Assistant director of IP solution
Sankyo dental
· Director of OMF surgitech Sankyo
dental Adviser of OSSTEM Japan AIC



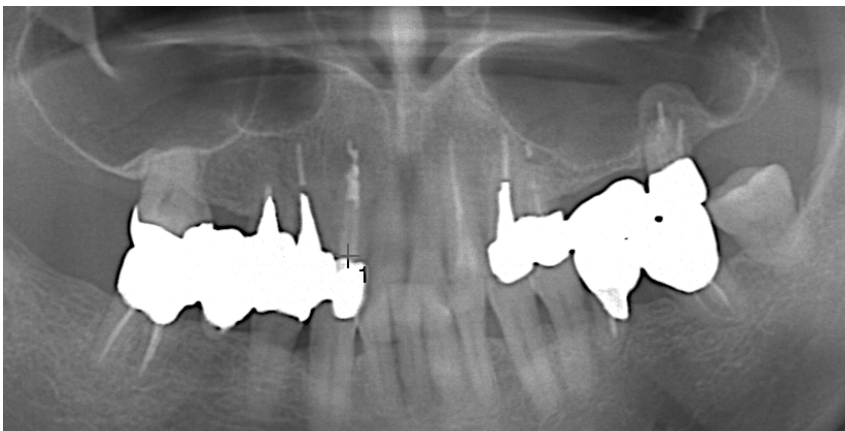
Implant Placement and Sinus floor Elevation Using OSSTEM Guided Surgery System (OneCAS™)

Case Presentation

The patient is male in 50s. he has hypertension. The operation is performed with intravenous sedation.

Intraoral findings : mobility of 24–27 Bridge

Episode of care : Tooth extraction of 24,27 and Tooth transplantation of 37 to 27 region are done three months ago.



Pre-operative Panoramic View (at the initial visit)

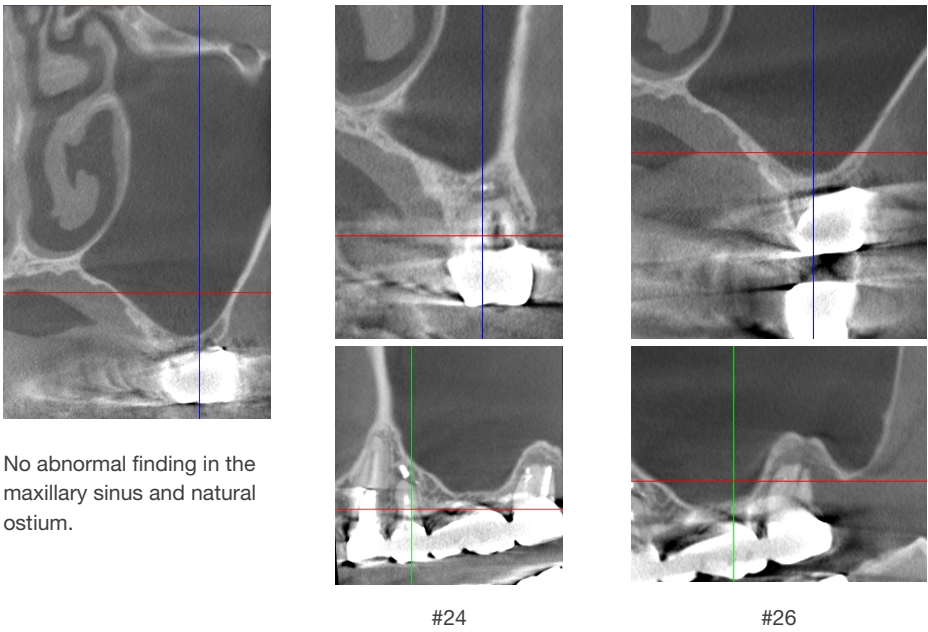
LIVE SURGERY 1

LIVE

TIME - 11:10 ~ 12:20 | MODERATOR - Dr. Kyoung Won Kim (Korea)

Dr. Akimaro Torii (Japan)

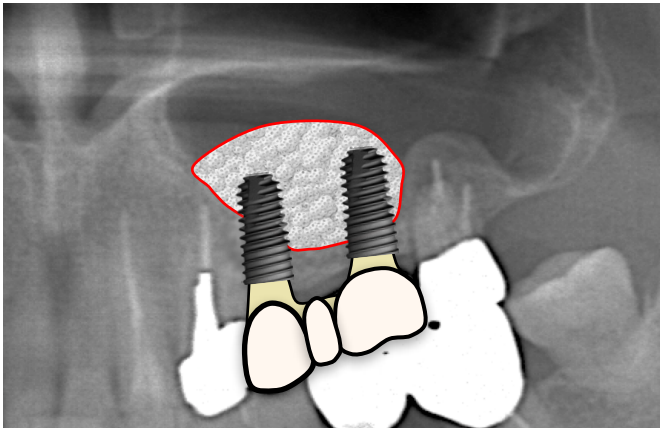
Pre-operative CT View (at the initial visit)



No abnormal finding in the maxillary sinus and natural ostium.

Treatment Plan

- (1) Implant placement on #24,26 and sinus floor elevation using OneCAS™.
- (2) 2nd surgery is planned 4 months later.
- (3) Production of prosthesis after 2nd surgery.



Mesiodistal distance is insufficient for three implants placement on 24,25,26 region.



LECTURE 3

TIME - 13:50 ~ 14:20 | MODERATOR - Prof. In Ho Cho (Korea)

Dr. Soo Young Lee (Korea)

- Seoul National University DDS, MS, Ph.D
 - Residency at Prosthetic dept. SNU hospital
 - Board certified Prosthodontist
 - Visiting researcher at ADA in USA
 - Clinical professor at prosthetic dept. Seoul National Univ.
- Dentsply Sirona certified trainer for Cerec
 - Vita certified international speaker
 - Osstem implant clinical advisor and course director



Digital Workflow for Implant Dentistry

The digital wave has come to dentistry. From digitalized diagnosis to final restoration, digital techniques prevail in every field of dentistry. Digital technology is particularly useful in implant treatment, where digital surgical guides can be generated before surgery even with provisional prosthesis.

I want to demonstrate the digital workflow in implant dentistry, especially in anterior tooth restoration.

Anterior implant reconstruction has been a challenge to clinicians because of aesthetic concerns, limitations of prosthetic options, and remaining bone conditions.

With digital workflow, it's much easier, safer, and more predictable to place the fixture and provisional restoration than freehand installation. We can examine and plan the whole surgical and prosthetic procedure before the actual surgery and finish the case as planned with the surgical template and prefabricated provisional restoration.

I want to show the advantages of digital technology in implant treatment and share some cases from my own experience.



LECTURE 4

TIME - 14:20 ~ 14:50 | MODERATOR - Prof. In Ho Cho (Korea)

Dr. Han Choi (New Zealand)

- Director & Specialist Oral & Maxillofacial Surgeon at NorthShore Oral and Maxillo-facial Surgeons.
 - University of Otago, BDS (with credit)
 - University of Otago, MBChB
- University of Otago, MDS (Oral & Maxillofacial Surgery, with distinction)
 - Registered Oral & Maxillofacial Surgeon, Dental Council of New Zealand

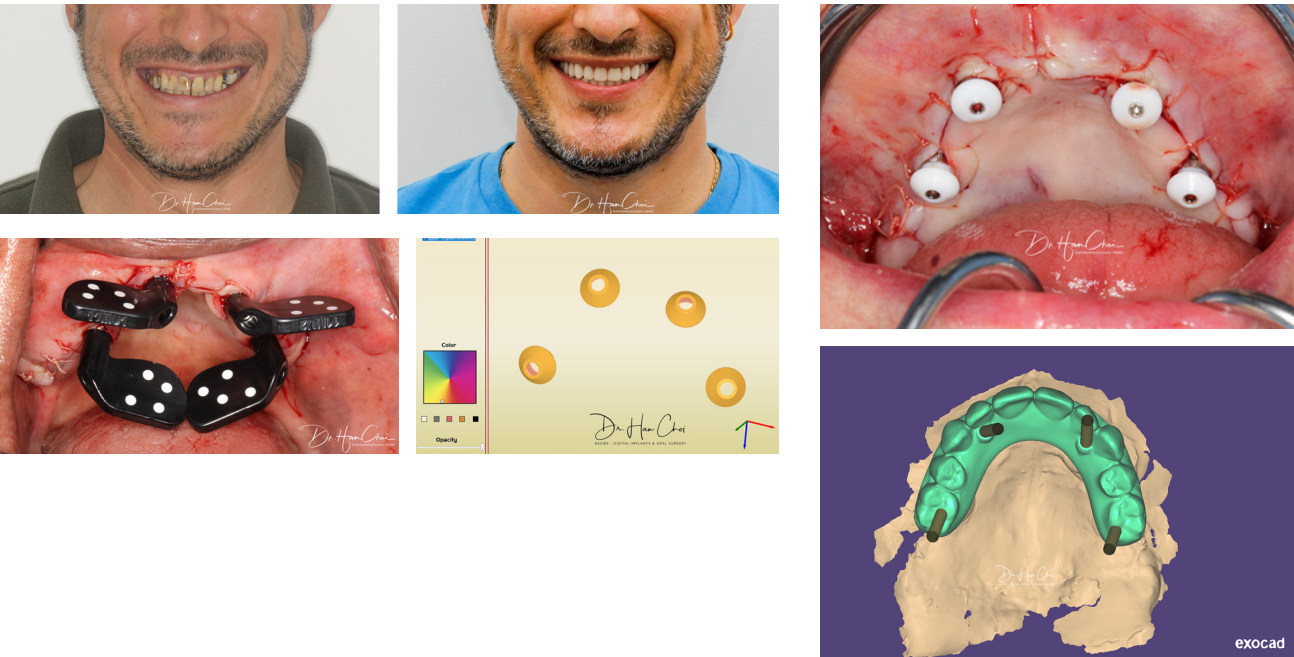


Complete Arch Implant Placement and Immediate Loading Using Full Digital Workflow (Osstem TS III, Trios, PIC Camera)

Complete arch implant rehabilitation with immediate loading using fixed temporary bridges has been widely performed over the past two decades, with a preference for graftless solutions. However, the analogue workflow historically used for fabrication of the immediate fixed temporary bridges is clinically demanding and time-consuming for clinicians together with it often being difficult for weary patients after the surgery.

With the emergence and evolution of digital technology, not only is guided surgery now possible with greater accuracy, more recently immediate loading with complete arch temporary fixed bridges has also become possible with full digital workflow.

This presentation demonstrates use of Osstem OneGuide and TSIII system in the surgical treatment of a terminally dentate or edentulous patient. It will also highlight a full digital workflow in fabrication of an immediate fixed temporary bridge using an intraoral scanner (TRIOS) and photogrammetry technology (PIC camera)



LECTURE 5

TIME - 15:20 ~ 15:50 | MODERATOR - Dr. Marco Tallarico (Italy)

Dr. Fulvio Gatti (Italy)

- DDS, M.Sc. in Oral Surgery
 - Lecturer for the Post-Graduate Course in Oral Surgery of the University of Milan and the Course of Implantology for Complex and Advanced Cases.
 - Active member of the Italian Academy of Osseointegration (IAO).
 - Active member and coordinator of the società Italiana di Parodontologia e Implantologia (SIDP)
- Tutor of the SIDP Annual Course in Periodontology and Implantology.
 - Co-founder and Member of the Board of Directors of the Advanced Dental Implant, Research & Education Center, Italy.



Management of Soft and Hard Tissue for Implants

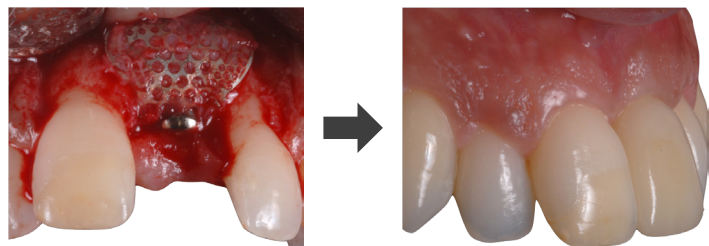
Dental implants are established alternatives for replacing missing teeth. In case of alveolar bone resorption, implant placement may be prevented unless the volume of hard and soft tissues is increased before or during implantation.

Aim of this presentation is to analyze the different techniques as Guided Bone Regeneration, Onlay Bone Graft, Sinus Lift with lateral and crestal (Cas-Kit) approach and soft tissue augmentation to perform an esthetic and functional implant restoration.

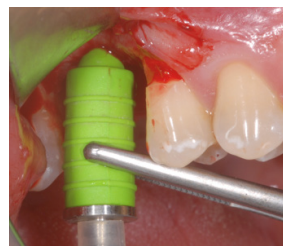
The results about 2 different research about Osstem implants published in international journals will be analyzed during the presentation: (1- Maxillary Sinus Membrane Elevation Using a Special Drilling System and Hydraulic

Pressure: A 2-Year Prospective Cohort Study. 2 - A prospective multicentre study on radiographic crestal bone changes around dental implants placed at crestal or sub-crestal level: One year findings.

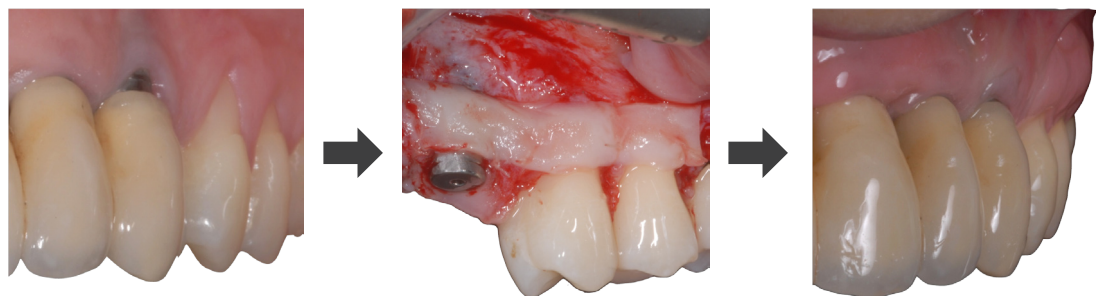
Bone Augmentation



Sinus Lift with Case-Kit



Soft tissue augmentation



LECTURE 6

TIME - 15:50 ~ 16:20 | MODERATOR - Dr. Marco Tallarico (Italy)

Dr. Marcus Lastimado (U.S.A)

- Doctorate of Dental Medicine from Nova Southeastern University, Florida, United States
 - Master in the International Congress of Oral Implantologists
 - Master in the Academy of General Dentistry (only 2.0% of United States Dentists)
- Master Certificate in Implant Regeneration (candidate)
 - All-On-4 Clinical Residency with Dr. Palo Malo and his surgical team in Portugal
 - 3-D Guided Surgical Program at the OMFS department at Georgia Health Sciences University



Enhancing Full Arch Tilted Implant Therapy with OneGuide Surgery

1. Understand the benefits of guided surgery

 - a. Rationale to prevent surgical and prosthetic complications
 - b. Evolution of guides
 - c. Evidence that supports CBCT surgical guides. Which guide is best?
2. Traditional workflow and surgery with tilted implant therapy

 - a. Rationale and evidence for usage of tilted implants
 - b. Surgical and prosthetic complications from improper planning
3. Enhancing full arch tilted implant therapy with OneGuide surgery

 - a. OneGuide a unique and beneficial guided surgical system
 - b. Unique drills and components of the OneGuide surgical kit
 - c. Surgical planning and OneGuide fabrication
4. Case with tilted implant therapy using the OneGuide system

LIVE SURGERY 2 LIVE ▶

TIME - 16:30 ~ 17:40 | MODERATOR - Dr. Kyoung Won Kim (Korea)

Dr. Takeo Kanayama (Japan)

·Supervisory dentist, Dental Team Japan, Fukuoka, Japan.
·DDS at Hokkaido University, Japan in 1997.
·PhD at Hokkaido University, Japan in 2001.

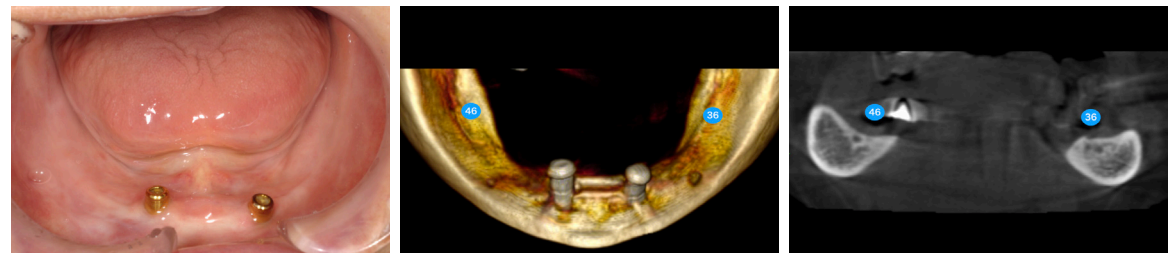


Guided Implant Surgery for Severely Atrophied Edentulous Mandible

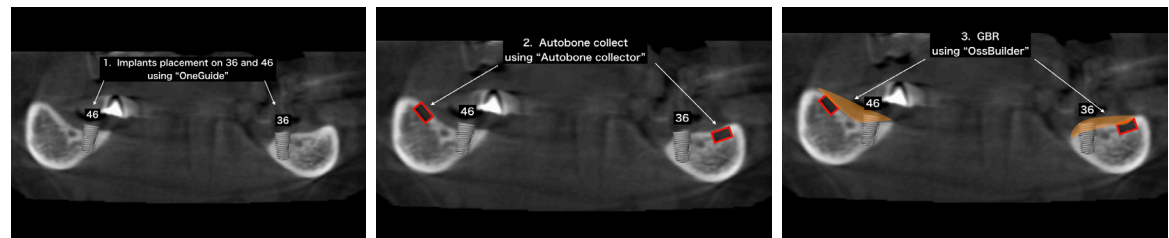
Recently OSSTEM released new excellent surgical kits for implant surgery.

- **OneGuide** is one of the new computer-guided implant placement systems which enable precise implantation.
- **OssBuilder** is 3-dimension pre-formed titanium mesh which can easily ensure the space for bone regeneration.
- **Autobone collector** is a specialized drill which can collect bone chips with a thickness adequate for an easy GBR.

In this Live surgery, I will use these three new kits for simple and precise implant surgery in severely atrophic edentulous mandible.



80-year-old female. She has already used implant-overdenture and now wants to have two more implants in molar regions to stabilize her implant-overdenture more. However, there is less than 1 mm of bone above the inferior alveolar nerve, so implant placement is not possible.



Treatment plan:

1. Implant placement on 36 and 46 in the bone lingual to inferior alveolar nerve using “OneGuide”.
2. Autobone collect from buccal shelf using “AutoBone Collector”.
3. GBR using “OssBuilder”.

Poster

23 Contents



Poster Contents

DIGITAL IMPLANT

NO	SUBJECT	SPEAKER	POSITION
1	"One Guide" for safety first and saving time for Osstem TS 19 Implants	YOSHIOKA Senshiro	Yoshioka Dental Clinic
2	Two Cases of Simple Implant Treatment Using Surgical Stent (OneGuide®)	TOMIMORI Shinichiro	Tomimori Dental Clinic
3	A case of placing 6mm length short implants using guided surgery system	Chan ho Jung	Inje Univ. Sanggye-Paik Hospital
4	Computer-guided implant surgery and soft tissue management for full mouth rehabilitation: a case report	Sang-hyun Yea	Seoul National Univ.
5	Digital-Guided Implant Surgery with Immediate Loading : A Case of Full Mouth Rehabilitation	Yang Yeol Tae	Inje Univ. Sanggye-Paik Hospital
6	Maximize the accuracy of OneGuide on edentulous patient using orthodontic mini screw	Eun Jin Lee	Myung Dental Clinic

IMPLANT

NO	SUBJECT	SPEAKER	POSITION
7	Implant Over-Denture using TSIISA for Upper maxillary edentulous jaw with advanced bone resorption.Clinical application and Future prospect.	MORII Hiroaki	IK Medical Dental Clinic
8	Sinus Floor Elevation with Crestal Approach Using Hydraulic Lifter of CAS-KIT and Post-treatment Follow-up	IGARASHI Ryo	Igarashi Dental Clinic
9	Enhancing the zone of keratinized attached mucosa using free gingival graft for implant-supported overdenture	Eui-Joo Yeo	Esha Womans Univ. Mokdong Hospital
10	Immediate implant placement & provisional restoration & CTG	Lee jong hyuk	Rapha dental Clinic
11	Immediate implant placement in maxillary central incisor with bone graft and FGG sealing	Se-Jin Sung	Chosun Univ. dental Hospital
12	Immediate implant placement with OSSTEM TSIII BA implant : A clinical case presentation	Kim Jong Sik	The Joeun Dental Clinic
13	Implant placement with guided bone regeneration in self-contained defect with erratic healing a case report	dong-seob Lee	Myeongdong beauty dental clinic
14	Implant prostheses in the limited prosthetic space	Min hyuk Kim	Seoul National Univ.
15	Implant surgery after socket preservation	Min-cheol Song	Hyo dental Clinic
16	Increasing the width of keratinized mucosa around implant using apically positioned flap: comparison of two cases with different timing	Dae-Yeob Kim	Esha Womans Univ. Mokdong Hospital

INSTRUMENT

NO	SUBJECT	SPEAKER	POSITION
17	Evaluation of cutting torque and corrosion resistance of circular saw for alveolar ridge split	Bum Kee Lee	OSSTEM Implant
18	Simple and Quick Autogenous Bone Harvesting by AutoBone Collector	Cho Gyu-Jang	Hanyang Univ.

GBR MATERIAL

NO	SUBJECT	SPEAKER	POSITION
19	Anterior Mandibular Defect Reconstruction by a 3-dimensional Customized Preformed Titanium Mesh (OssBuilder III) and a Tenting Screw	Choi Jong-Won	Hanyang Univ.
20	Clinical and Histologic Analysis of Q-Oss+ for Extraction Socket Management	Cho Gyu-Jang	Hanyang Univ.
21	Oral tissue response to soft tissue expanders prior to bone augmentation	Heithem BEN AMARA	Seoul National Univ.
22	Screw tent-pole graft for vertical augmentation of posterior ridge of mandible resorbed by periimplantitis: A case report	Hyeran Choi	Inje Univ. Sanggye-Paik Hospital
23	Simultaneous TSIII implant placement with guided surgery system	Kim Heon young	Ewha Womans University Medical Center
24	The effect of Smart-builder on peri-implant extrabony defects after simultaneous GBR with implantation.	Choi In-Oh	Chosun Univ. dental Hospital

ORTHODONTIC

NO	SUBJECT	SPEAKER	POSITION
25	Surface roughness analysis of various ceramic self-ligating brackets using stomic force microscopy	Hyo-Jung Kyung	KyungHee Univ.

MATERIALS

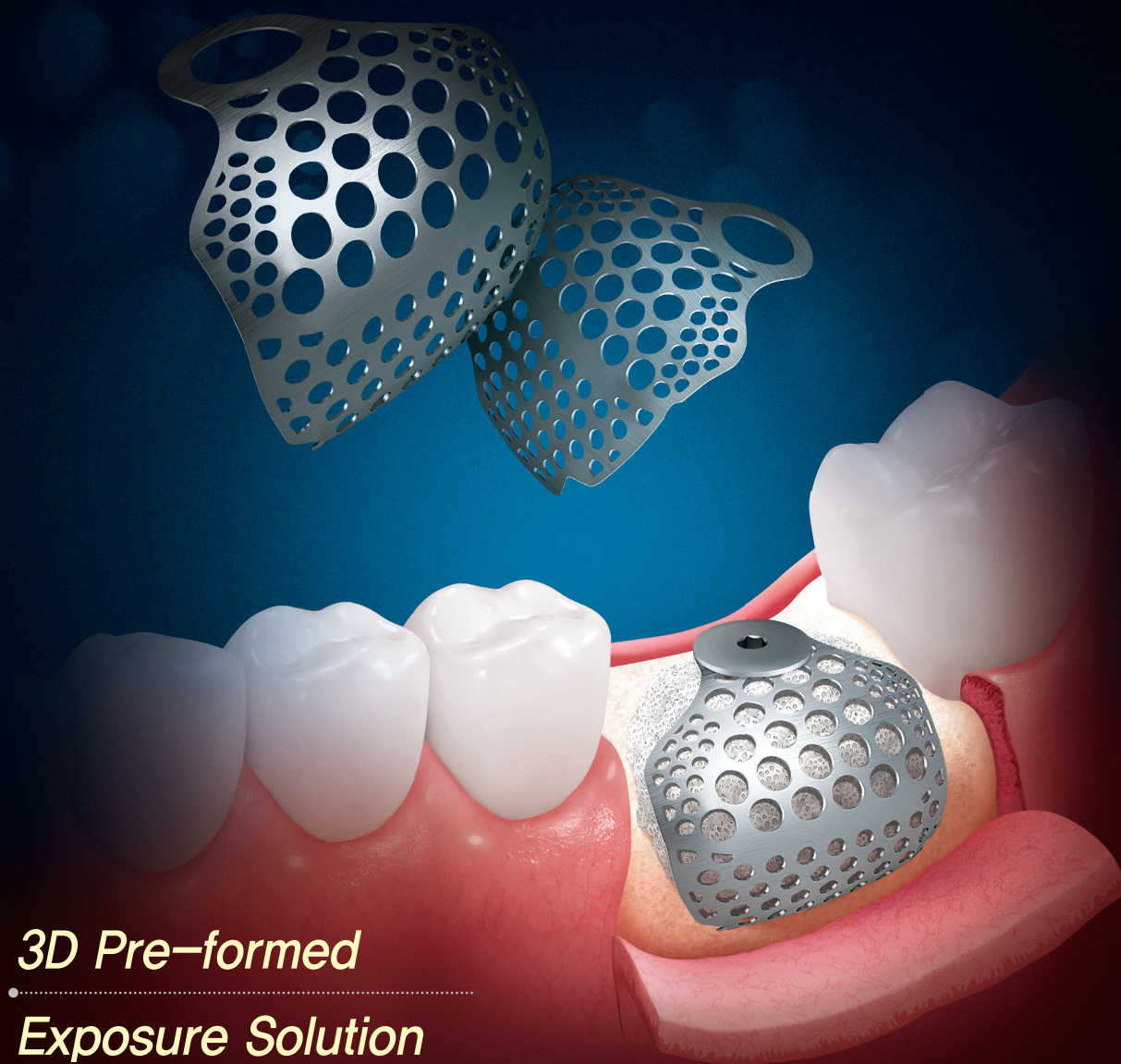
NO	SUBJECT	SPEAKER	POSITION
26	The comparison of addition silicon impression materials : wettability, injection force, tensile strength, setting time	Myung-Hoon Jin	OSSTEM Implant
27	The Comparison of Three 3D-Printing Resins for Surgical Guide printing : Flexural Strength and Printed Accuracy	Kyung-Rok Kim	OSSTEM Implant

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